APPENDIX B

```
// GRDA Initialisation
                              (P/Q = 2133300/32768)
5
       divReload[0] = 65;
       divReload[1] = 9;
       divReload[2] = 1;
       divReload[3] = 2;
       divReload[4] = 3;
10
       divReload[5] = 1;
       divReload[6] = 1;
       divReload[7] = 1;
       divReload[8] = 2;
       divReload[9] = 1;
15
       divReload[10] = 2;
       divReload[11] = 2;
       divDepth = 12;
       for (i = 0; i < divDepth; i = i + 1)
20
       begin
         divCurrent[i] = 1;
         divCurrent[i] = divReload[i] / 2 + 1;
       end
25
     // GRDA Core
     task GRDA Get;
        output [0:31] grda val;
        reg[0:4] i;
30
        begin
         divCurrent[1] = divCurrent[1] - 1;
         if (divDepth < 2 || divCurrent[1] != 0)</pre>
         begin
            grda val = divReload[0];
35
         end
         else
         begin
            grda val = divReload[0] + 1;
           divCurrent[1] = divReload[1];
           divCurrent[2] = divCurrent[2] - 1;
40
            for (i = 2; i < divDepth && divCurrent[i] == 0; i = i +
     1)
           begin
                divCurrent[i - 1] = divCurrent[i - 1] + 1;
```

Attorney Docket No.: 10559-904001 Intel Docket No.: P17952